

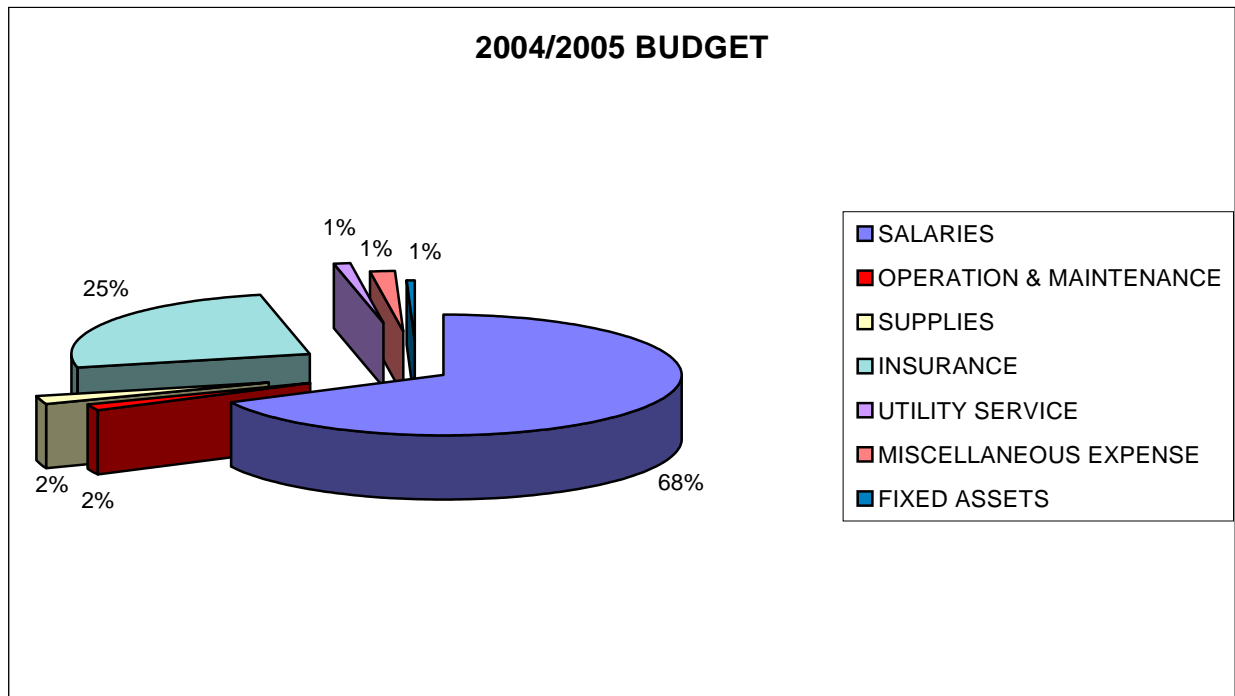
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Budget

The Murfreesboro Fire Department's total budget for the fiscal year 2004-2005 is \$11,135,828.17. The increase in the budget is due to the departmentalization of insurance and utility service which was previously budgeted under the General and Administration Department. Salaries increased \$781,398.66 due to the implementation of the new pay plan. Budget figures do not include bond information.

| DESCRIPTION | 2002/2003 ACTUAL | 2003/2004 ACTUAL | INCREASE/ DECREASE | 2004/2005 |
|-------------------------|-----------------------|---------------------|-----------------------|----------------------|
| SALARIES | 6,361,704.01 | 6,734,348.62 | \$781,398.66 | \$7,515,747.28 |
| OPERATION & MAINTENANCE | 170,604.90 | 208,473.20 | (13,360.20) | 195,113.00 |
| SUPPLIES | 193,444.69 | 179,807.64 | 45,242.36 | 225,050.00 |
| INSURANCE | | | 2,828,764.89 | 2,828,764.89 |
| UTILITIES | | | 138,400.00 | 138,400.00 |
| MISC. EXPENSE | 61,382.11 | 87,501.24 | 78,951.76 | 166,453.00 |
| FIXED ASSETS | 196,452.99 | 50,819.15 | 15,480.85 | 66,300.00 |
| TOTAL BUDGET | \$6,983,588.70 | 7,260,949.85 | \$3,874,878.32 | 11,135,828.17 |



2004 Accomplishments

NEW EQUIPMENT

- Breathing Air Compressor and Two Portable Fill Stations (Grant)
- Camcorder and Power Point Projector for Training
- Three Computers for Administration
- Seventeen LifePak 500 AEDs (Grant)
- Three Kussmaul Fire Engine Battery Chargers
- 7.5 ton HVAC Unit at Headquarters
- 1998 and 2001 Jeep Cherokees (Used)
- 2005 Chevy Tahoe

STATION PROJECTS

- Headquarters - Painted Engine Room; Installed Cascade System; New Washing Machine
- Station 3 - Painted Interior and Engine Room
- Station 4 - Painted Interior and Engine Room
- Station 6 - Painted Interior and Exterior of Building; Sealed Driveway; Created Uniform Storage Area
- Station 7 - Painted Interior of Building; Repaired Rear Parking Area; New Dishwasher
- Station 9 - Painted Interior of Building; Installed Air Compressor

FUTURE PROJECTS AND EQUIPMENT

- Two New Pierce Fire Engines
- One New Rescue Truck
- Replace Floor Tile and Carpet Station 7 and 8; Replace Roof Station 7
- Additional Radio Channel and New Radio Equipment
- New Burn Permit Policy
- Youth Citizens Fire Academy

2004 Accomplishments

PUBLIC RELATIONS EVENTS

- Patterson Park Cleanup
- Annual Smoke Detector Program
- National Night Out
- MTSU Homecoming and Christmas Parades
- Toys for Tots Campaign
- Hosted Fire Safety Inspector's Conference (260 people attended)
- Hosted the Tennessee Advisory Committee on Arson Conference
- Jaycees' Annual Easter Egg Hunt
- Leadership Rutherford Emergency Services Event

MISCELLANEOUS

- Created New Department Patch
- MFD Honor Guard Presented Colors at Fifteen (15) Events
- Firefighter of the Month Award
- Public Service Announcements on Fire Safety Produced and Aired on Channel 3
- Promoted Six (6) Employees to Driver, Four (4) Employees to Captain, One Employee to Shift Commander
- Hired Twenty-Two New Personnel to Replace Employees that Retired, Resigned, or Terminated



**YOUTH LEADERSHIP
RUTHERFORD VISITS
HEADQUARTERS**



**HONOR GUARD PRESENTING
COLORS AT THE ANNUAL
CHRISTMAS PARADE**

Incident Responses

The Murfreesboro Fire Department uses the Tennessee Fire Incident Reporting System (TFIRS) to report each **emergency** incident. TFIRS is a member of the National Incident Reporting System (NFIRS). Our incident response statistics are compiled with all other Fire Departments at the state and national level. These statistics can be utilized to focus on current problems and to predict future ones within the fire service.

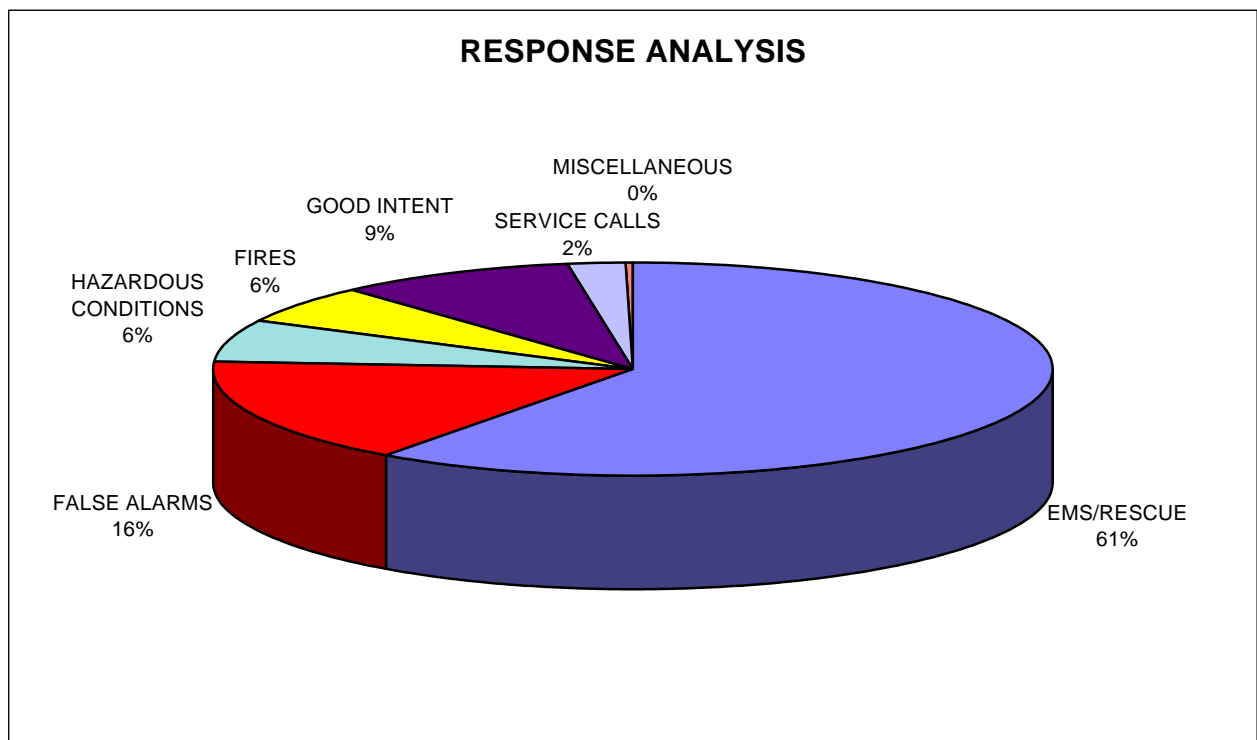
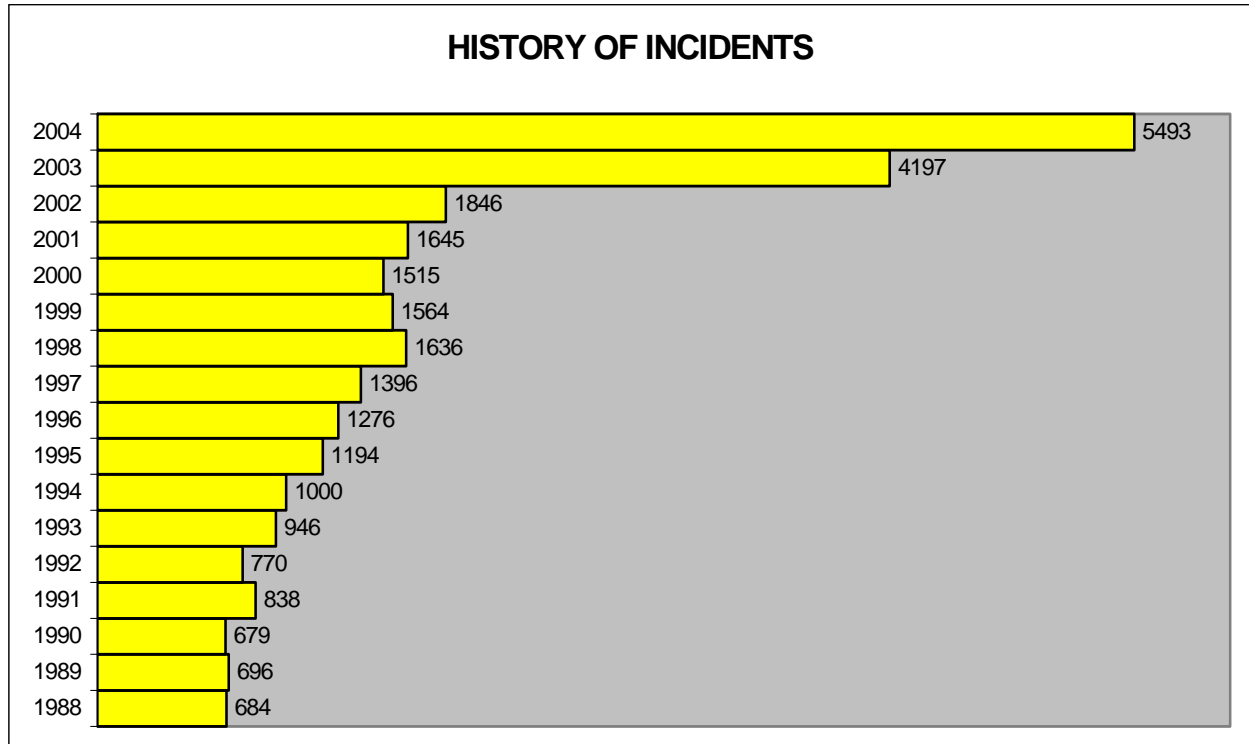
The department's average response time was approximately three and one half (3.54) minutes based on incidents dispatched as emergencies (10-33 traffic). The estimated fire loss for the City of Murfreesboro was \$1,634,452, and the total property value saved was \$6,150,643. The three most extensive fire losses were two separate building fires at an apartment complex on National Drive at \$419,245 and \$299,780 and a commercial business fire on Vine Street at \$107,489.

There was one fatal fire in 2004 which was ruled accidental. The Fire Prevention Division investigated thirty-four (34) structure fires. Eight (8) of the thirty-four (34) fires were ruled incendiary and three (3) were classified as suspicious. One arrest was made in 2004. The other incendiary and suspicious fires are still being investigated. Three court cases were closed in 2004 for the years of 2002 and 2003. One individual was charged and convicted of Attempted Aggravated Arson and sentenced to seventeen years in the Department of Corrections. The other two individuals were charged and sentenced to three counts of Arson.

The City of Murfreesboro entered an agreement to provide full fire suppression services for the Veterans Administration Tennessee Valley Healthcare System, Alvin C. York Campus, on June 1, 2001. In accordance with this agreement, the VA pays \$30,000 monthly for fire suppression service. The Murfreesboro Fire Department also performs inspections of fire department connections and conducts hydrant flow tests.

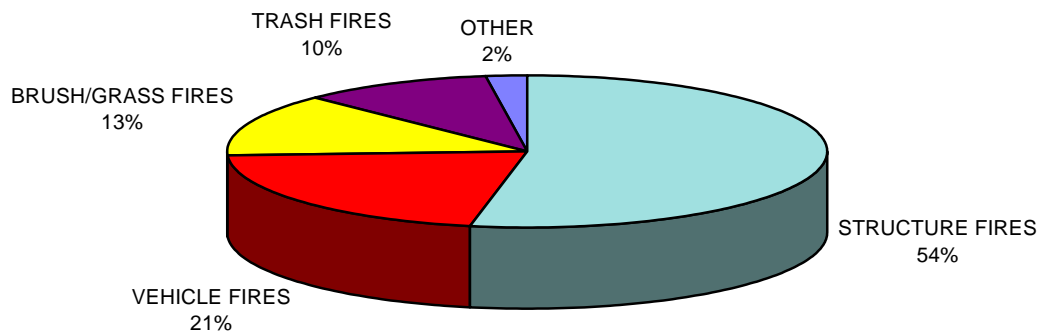
In 2004, the Murfreesboro Fire Department responded to 5,493 calls for service including 3,300 EMS/Rescue calls. Forty-five (45) victims were extricated from 494 vehicle accidents. Total calls increased 31 percent (30.88%) from 2003, and 449 percent (449.30%) since 1994. The following pages illustrate the history of incidents; response analysis; various types of fires; the number of responses by time of day, day of week, and district; and false alarm analysis.

Incident Responses

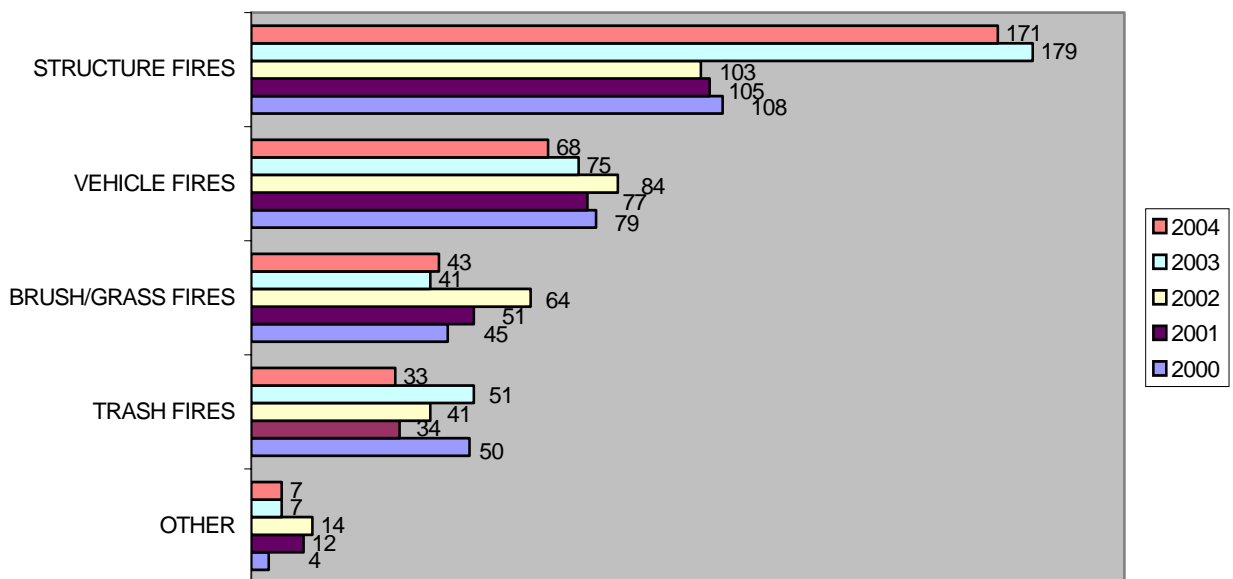


Incident Responses

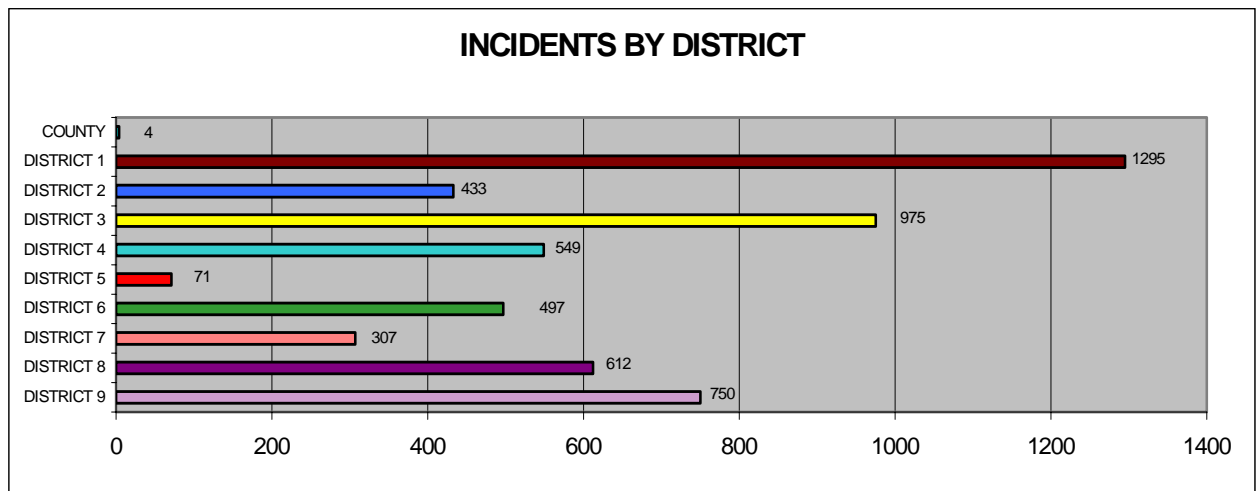
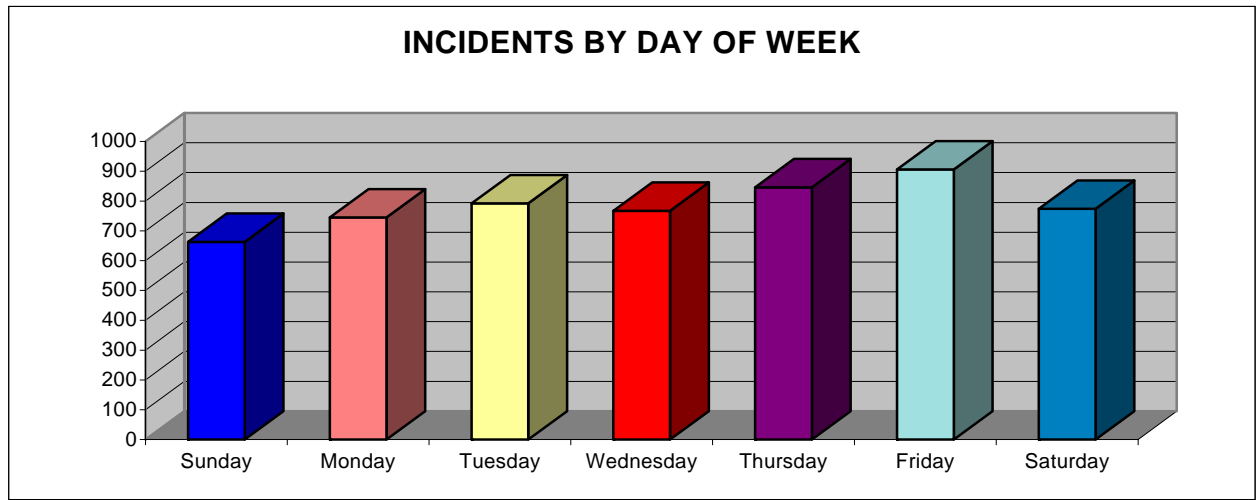
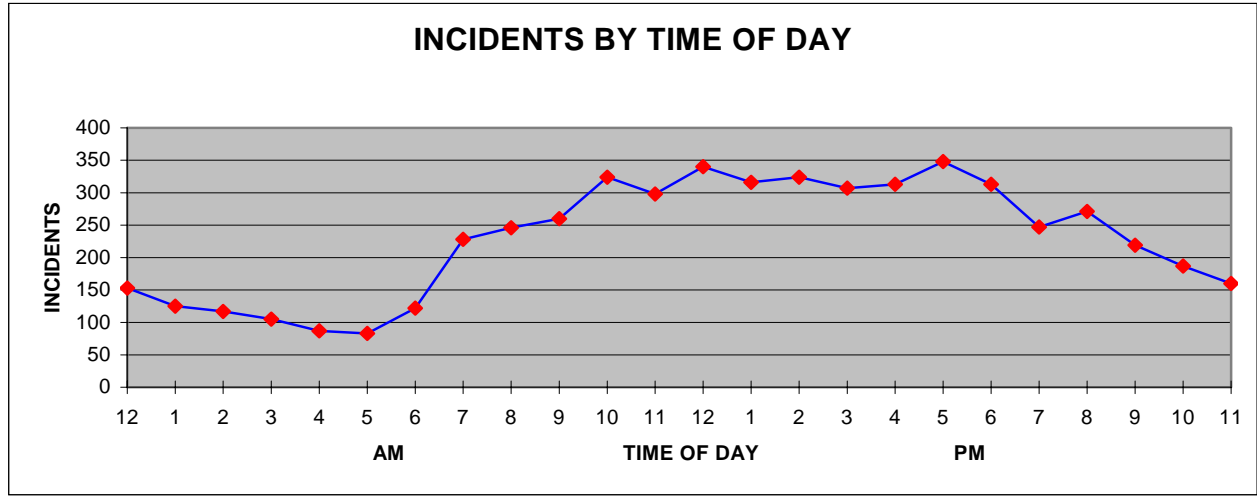
TYPES OF FIRES



TYPES OF FIRES BY YEAR



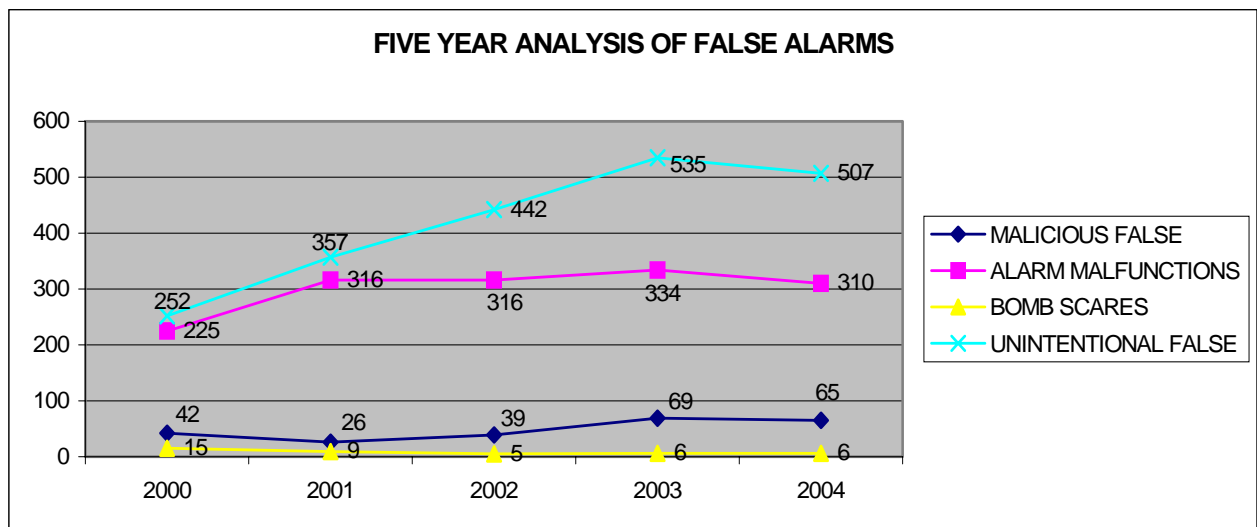
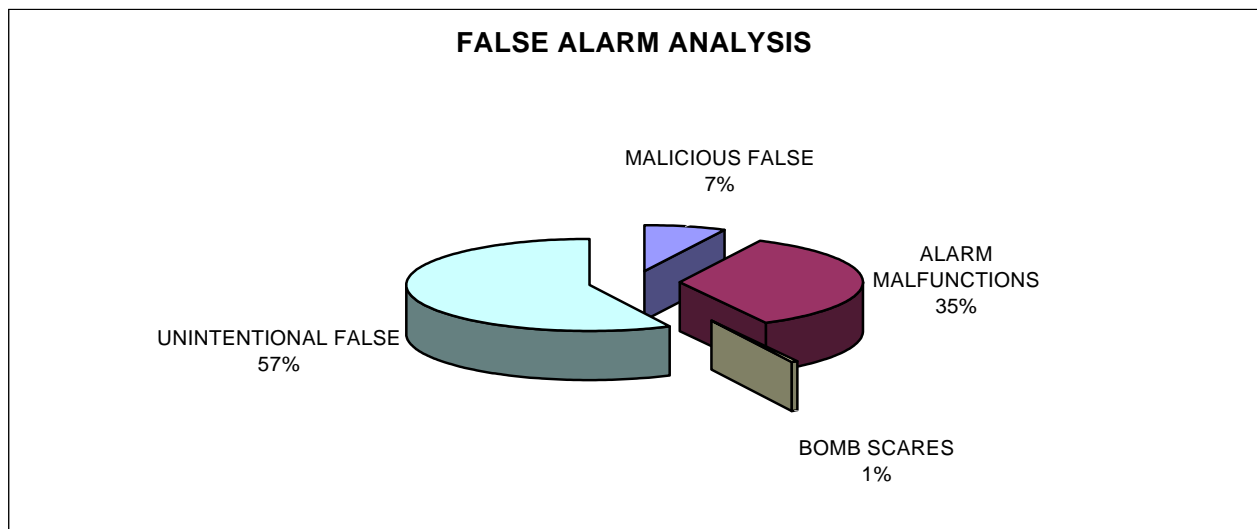
Incident Responses



Incident Responses

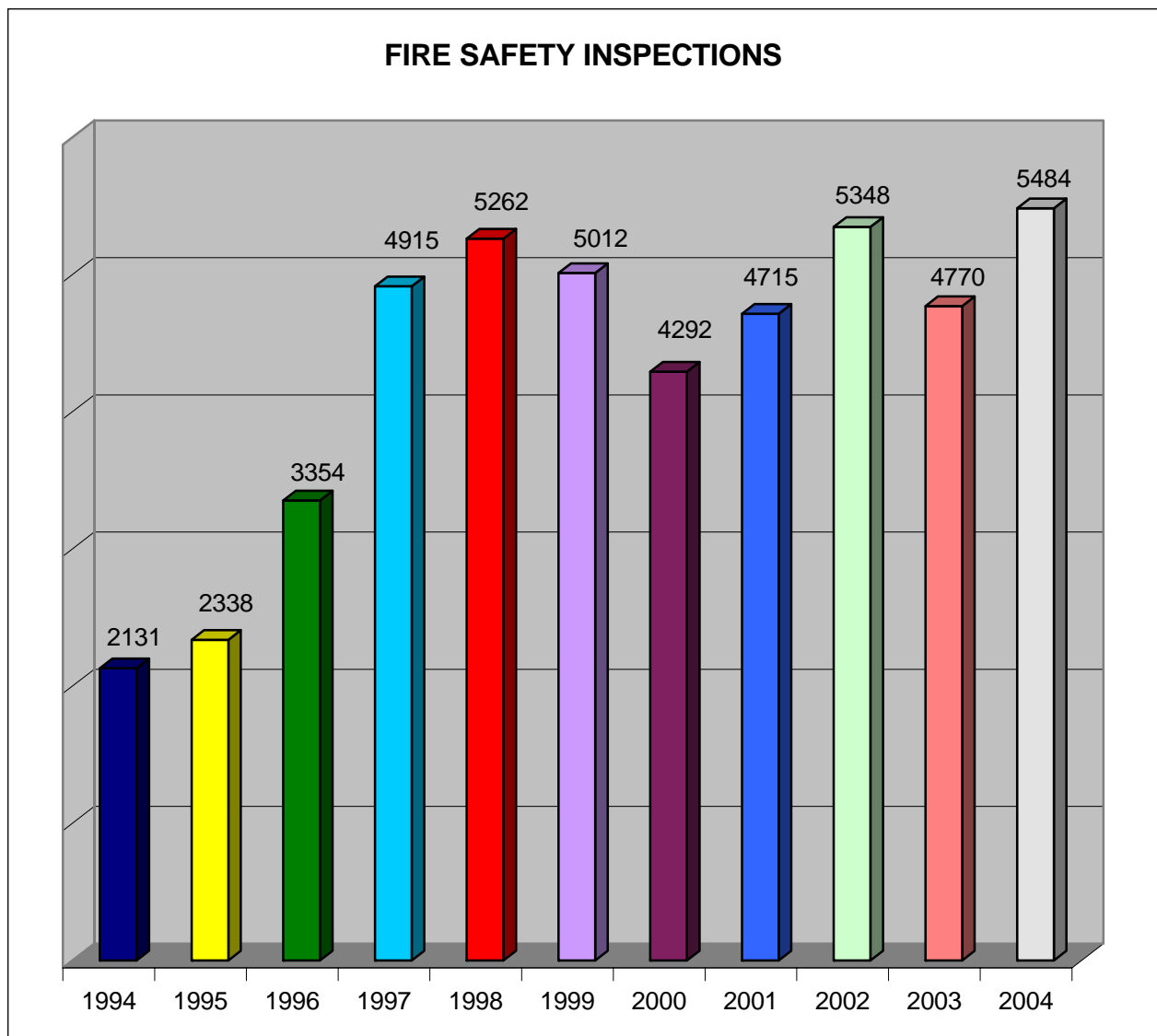
The Murfreesboro City Code dealing with alarm systems was amended in 1999. The purpose of this ordinance is to encourage alarm owners to maintain their alarm systems and to eliminate any unnecessary emergency traffic. This ordinance is also designed to encourage better maintenance and proper installation of alarms. The Murfreesboro Fire Department is making an effort to assist business owners in identifying and eliminating potential problems with their alarm systems.

The Murfreesboro Fire Department received a total of 888 false alarms in 2004. False alarms represent sixteen percent (16%) of the total calls for service. The types of false alarms are bomb scares, malicious false, alarm malfunctions, and unintentional false.



Fire Prevention

Fire Prevention is an essential function in reducing fire losses by decreasing the incidence of uncontrolled fires. Inspections help ensure life safety conditions within a structure. During inspections, a Fire Inspector checks for potential fire hazards and advises the owner of corrections needed. These inspections provide an opportunity to educate the public. In 2004, 5,484 fire safety inspections were conducted.



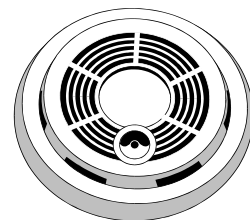
Fire Prevention

The Fire Inspectors conduct routine fire inspections on all existing buildings. Items inspected are exit doors, proper operation of exit doors, proper number of exits, emergency lighting, hazardous materials storage, fire suppression systems, fire hydrants, and fire alarm systems. Fire Inspectors also go to construction sites to observe the installation of fire detection equipment, fire suppression systems, notification systems, fire pumps, access to the facility, proper fire hydrant location, and fire flows.

Site plans are reviewed biweekly in conjunction with the Planning and Water Departments. The Fire Marshal scrutinizes the plans for proper access to the facility, number of fire hydrants, size of water main, and any hazards existing to hinder fire suppression activities. Comments are noted on the site plan for revision before going to the Planning Commission for approval. Architectural drawings are reviewed weekly with the Plans Examiner of the Building Codes Department to ensure that the building plans meet all code requirements for a safe building.

The Murfreesboro Fire Department is responsible for issuing open burning permits for the City of Murfreesboro. Inspectors obtain information from the individual requesting the burn permit and relay it to the appropriate fire station. The engine companies then go to each site to review safety guidelines and issue a permit. Approximately 714 burn permits were issued in 2004. Currently, there is no charge for a burn permit.

The MFD Fire Prevention Division receives and distributes smoke detectors annually. Since 1990, the MFD Fire Prevention Division has given free smoke detectors to low income families, senior citizens on a fixed income, and burn out victims. In 2000, the MFD started a city-wide smoke detector placement program called Project SAFE "Smoke Alarms for Everyone." Personnel went door to door installing smoke detectors and batteries free of charge. Personnel installed 1,395 detectors and 606 batteries during 2000. In 2004, personnel continued to install smoke detectors through Project SAFE when requested. The MFD plans to revisit the idea of going door to door to further insure that the citizens of Murfreesboro have working smoke detectors.



There are several ways Inspectors learn names of individuals who need smoke detectors. During educational events, such as health fairs, career days, and safety classes, Inspectors ask individuals if they know of anyone who needs a smoke detector. Home nurses and aides also turn in names to our office. If the individual receiving the smoke detector needs assistance installing it, a MFD personnel will go to the home to help.

Fire Safety Education

Fire safety education is one of the Murfreesboro Fire Department's primary goals. Fire safety education is the key to saving lives and is taught throughout the year. Our main focus is on home fire safety because eighty percent (80%) of fire deaths occur at home. Inspectors also educate area business people on fire safety. In 2004, the Murfreesboro Fire Department educated approximately 27,841 children and adults on fire safety.

The fire safety house, acquired in July 1998, is a valuable educational tool used to teach children and adults about fire safety and burn prevention. The fire safety house is a downsized version of a two-story house with a living room, kitchen and control room on the first level and a bedroom on the second level. The fire safety house runs off a generator and is equipped with a non-toxic smoke machine, smoke detectors and red strobe lights. Children and adults are taught how to successfully exit a burning building and how to prevent fires and burns through various "hands-on" exercises. Fire escape skills are taught using non-toxic smoke, electronically operated smoke detectors and heaters located inside doors. Children learn the necessary actions to take to exit a burning building.

Fire Prevention Week was October 3 through 9, 2004. The national theme was "Test Your Smoke Alarms." During October and November, Murfreesboro Fire Department personnel taught fire safety at each city school and county schools within the city limits by performing a musical called *Dante's Dance*. Personnel also taught fire safety at county schools outside the city limits using the fire safety house. Rutherford County gave \$2,700 to buy supplies for demonstrations given at county schools.

Station tours are set up all during the year. During these tours, tips on fire safety are learned. Children get to closely look at fire engines, hear the sirens, watch a safety video, and much more. Children receive red plastic fire helmets and badges, as well as, fire safety pamphlets to carry home. These tours help children see firefighters as their friends. The Murfreesboro Fire Department also participated in several public relations events. These events provided opportunities to educate individuals on fire safety. Information packets and pamphlets on fire safety were given out, and personnel were available to answer questions on fire safety.



Personnel performed the musical Dante's Dance for a group of school children at Barfield Elementary School.

Citizens Fire Academy

The Murfreesboro Fire Department developed a Citizens Fire Academy for citizens of the community. The Citizens Fire Academy (CFA) is an eight week program that offers a small group of area residents the opportunity to view and participate in the activities and services provided by the Murfreesboro Fire Department (MFD). Academy participants receive an insider's view of the department's operations. The CFA helps participants better understand the department's functions, operations, and procedures. The CFA is designed to provide knowledge in fire prevention, extinguisher training, cardiopulmonary resuscitation, and a better understanding of the firefighter's role in the community. Participants complete this program being more conscious of their environment and safety oriented. Participants have the opportunity to interact with department personnel and ask questions about all aspects of the department's role in our community. Participants leave the Academy with a real respect for the fire service.

A significant portion of the Academy consists of classroom instruction and discussions along with special activities that include a ride-along in a fire engine, wearing and using a self-contained breathing apparatus, wearing turnout firefighting clothing, firefighting demonstrations and participation, climbing and riding an aerial apparatus, and other important aspects of the department. All class instructors are members of the Murfreesboro Fire Department and are committed to providing appropriate information to all participants in the Academy. CFA participants complete evaluation forms after each class. These forms are reviewed, and enhancements to the program are implemented as a result of the feedback received from the participants.

Objectives of the Citizens Fire Academy

- To inform the residents of Murfreesboro as to the purpose and inner workings of the Murfreesboro Fire Department;
- To inform and encourage citizens to return to their neighborhoods and relay to their friends and neighbors the proper procedures to use to become more safety conscious citizens; and
- To provide an interactive forum for both the Fire Department and the citizens to share information.

Anticipated Benefits of the Citizens Fire Academy

- The opportunity to receive adult CPR instruction and certification.
- The opportunity to be able to react in a positive manner should some type of fire or medical emergency arise.
- A better understanding of why and how the Fire Department conducts itself in an emergency.

The MFD offered one Citizens Fire Academy in 2004. Twelve students graduated from the Academy. All activities offered during the Academy are optional; students only participate in activities to which they feel comfortable.

Firefighter Training

In 2004, 165 Fire Department personnel trained 60,184 hours according to individual training records. This is a monthly average of approximately thirty (30.4) hours per firefighter. Firefighters train a minimum of twenty (20) hours per month to help maintain the City of Murfreesboro Insurance Services Office (ISO) Class 3 Fire Rating. Firefighters receive training from MFD Instructors, the Tennessee Fire Service and Codes Enforcement Academy, the Tennessee Emergency Management Agency (TEMA), the National Fire Academy (NFA), the Tennessee Association of Rescue Squads (TARS), and numerous schools, agencies, and workshops. In 2004, 107 personnel attended State Fire School courses for a total of 7,838 hours.

OSHA regulations mandate facepiece fit tests be administered to each firefighter annually. The fit tests insure that the facepiece fits properly. In 2004, a licensed Doctor administered an annual breathing test to each firefighter.

The Murfreesboro Fire Department Training Office maintains one hundred nine (109) self-contained breathing apparatus (SCBA) and 213 cylinders for the department. Regulations require that composite cylinders be hydrostatically pressure tested every three (3) years. All SCBAs are tested annually to ensure performance. The Murfreesboro Fire Department maintains three (3) breathing air compressor units that supply all SCBA breathing air for the department. The breathing air quality was tested quarterly in the air compressor units in 2004 to ensure non-toxic air is being inhaled by our firefighters while using their SCBA.

The Murfreesboro Fire Department Training Office keeps records of hazardous chemicals existing at facilities in Murfreesboro. The federal government requires businesses to annually submit a Tier II form to the Fire Department detailing any extremely hazardous materials stored at their facility. The Tier II form contains lifesaving information and is available for all personnel to study.



**PERSONNEL PERFORM
ANNUAL PUMP TEST**

Firefighter Training

The MFD follows the Tennessee Association of Rescue Squads (TARS) Vehicle Extrication teaching curriculum for Vehicle Extrication. The vehicle extrication course consists of three days of training including one day in the classroom and two days at the junkyard. At the junkyard, the students practice stabilizing vehicles, removing doors, windows, and tops, and pushing dashboards off of victims. A written test is administered to evaluate the students. Personnel also attend the three day TARS Advanced Extrication course. In 2004, twenty-one (21) personnel attended TARS Advanced Extrication.

In 2004, the MFD had 156 personnel certified in Vehicle Extrication. TARS requires those who have Vehicle Extrication certificates to renew their certificate every two years.

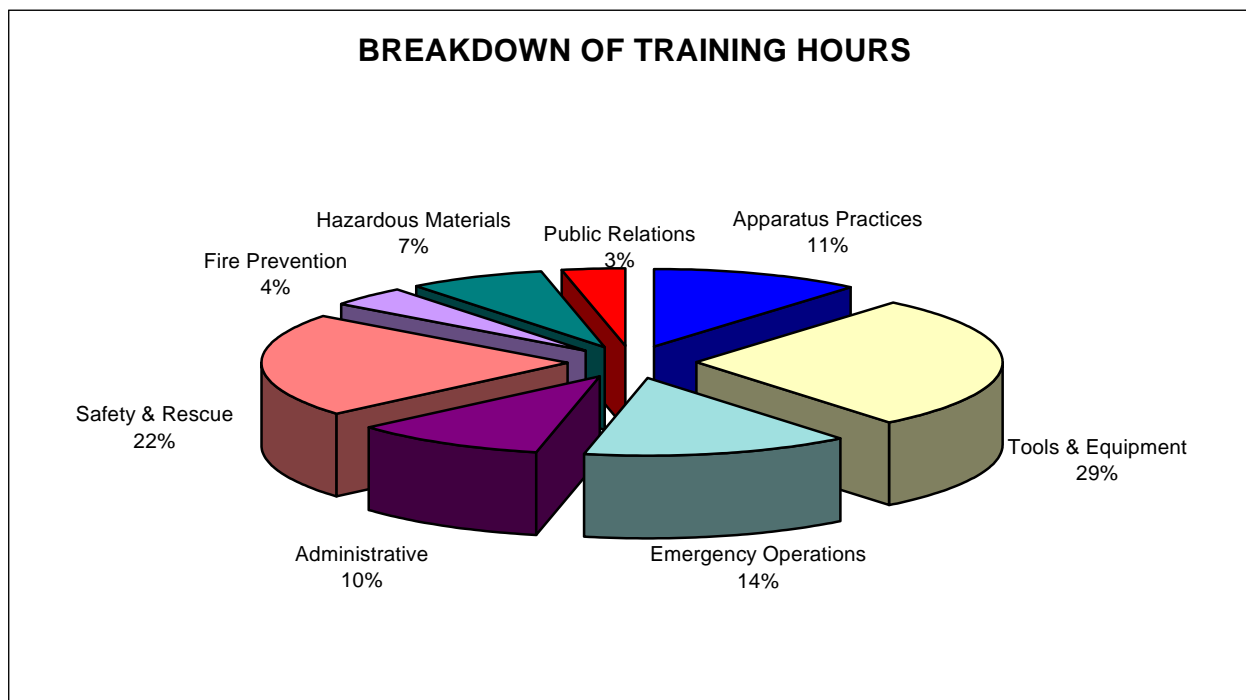
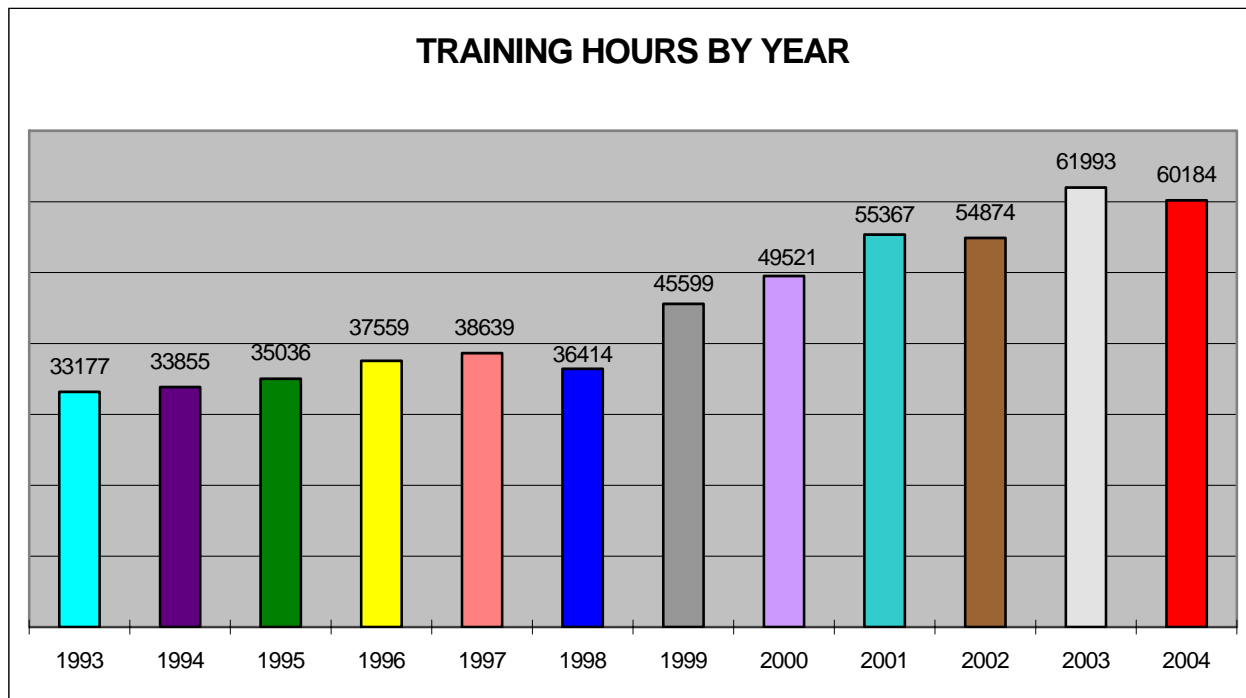
The MFD uses the United States Department of Transportation and the United States Department of Health and Human Service's First Responder: National Standard Curriculum for teaching Medical First Responder. The Medical First Responder course consists of 70 hours of cognitive and practical training. At the end of the training course, a proctor for the State of Tennessee Division of Emergency Medical Services administers a written exam. Students passing the exam receive a state issued certificate allowing them to perform the duties of a Medical First Responder. A Medical First Responder certificate is valid for two years.

In 2004, the MFD had 123 personnel certified in Medical First Responder, thirty-one (31) Emergency Medical Technicians (EMT) and three (3) Paramedics. Three MFD Firefighters, who are Paramedics and Medical First Responder Instructors, taught our Medical First Responder classes in 2004. A Paramedic is assigned to each shift to initially teach and re-certify the MFD Medical First Responders.

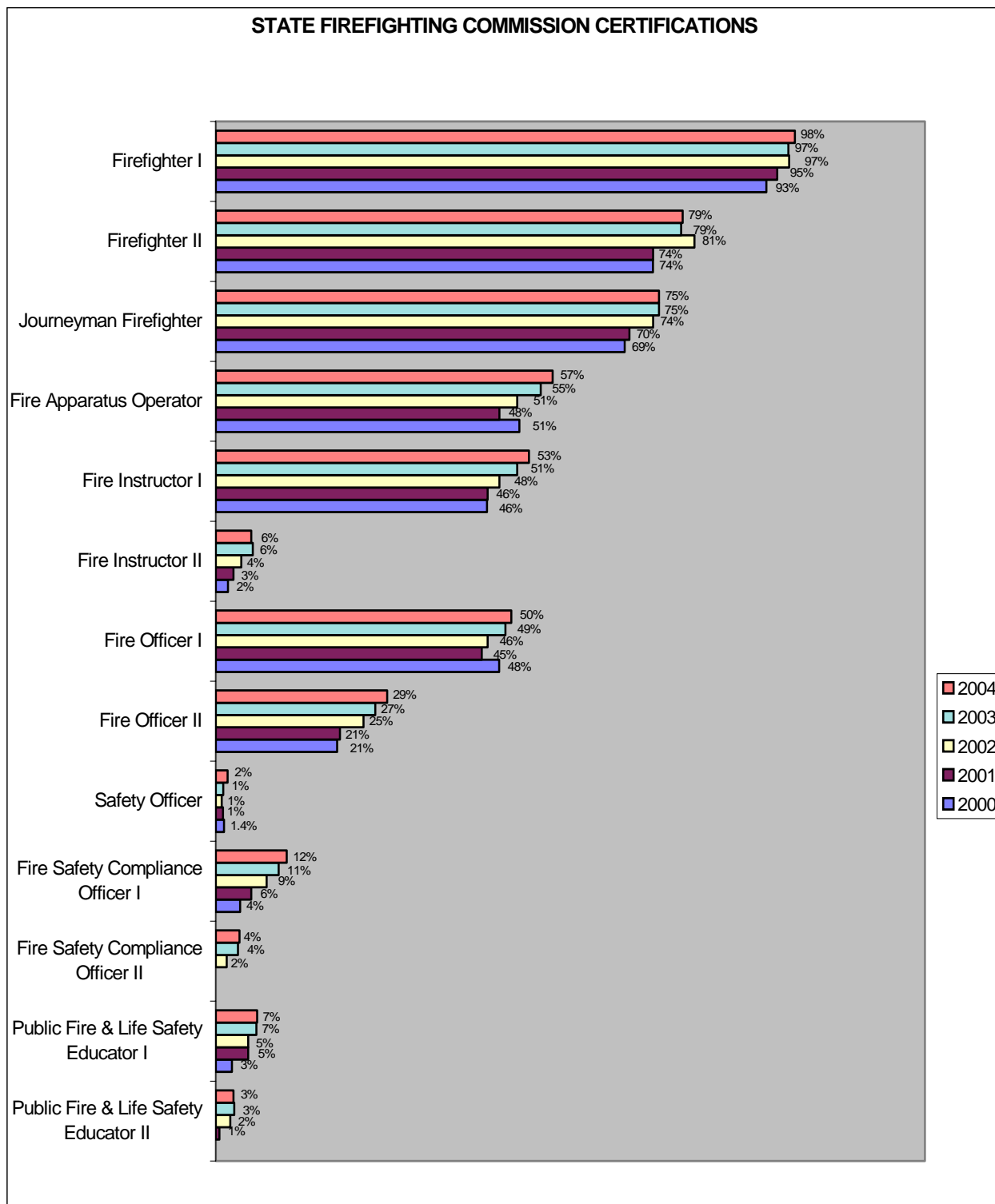
The MFD has participated in the State of Tennessee's Commission on Firefighting certification program since 1986. Currently, the MFD participates in twelve (12) levels of certification. All tests consist of practical and written parts. In 2004, the MFD administered the practical part of the Fire Apparatus Operator, Instructor I, Fire Officer II, Fire Safety Compliance Officer I and II, and the Public Fire and Life Safety Educator I and II tests. The Firefighting Commission administered the practical for their Firefighter I, Journeyman Firefighter/Firefighter II, Officer I, Instructor II and Safety Officer tests. The Firefighting Commission administers all written certification tests.

The MFD also participates in the Commission's Supplemental Training Pay Program. The program requires firefighters to complete a minimum of forty (40) hours of approved training per year. All supplemental training is administered within the MFD and is subject to state audit. In 2004, firefighting personnel received \$59,138.45 for their 2003 state supplemental training.

Firefighter Training



Firefighter Training



*The Safety Officer test has only been offered since approximately 1998; the Fire Safety Compliance Officer and Fire Instructor II has been offered since 1999; the Public Fire & Life Safety Educator I since 2000; the Public Fire & Life Safety Educator II since 2001; and the Fire Safety Compliance Officer II since 2002.